



Sensor de nível 2..2 / 2..3

Este sensor de nível com sinal de saída analógico está disponível até 2500 mm e cabeçote giratório de 360 ° que oferece flexibilidade durante sua montagem e operação.

O sensor de nível modelo 2..2 / 2..3 oferece opcionalmente um display em LCD ou controle remoto para parametrização do sensor

O cliente ainda pode optar por diferentes materiais, comprimento de medição e resolução do sensor, podendo desta forma ser usado em uma infinidade de aplicações industriais e móbil.

Especificação Técnica

- Tecnologia de sensores magnético (reed switch)
- Roscas: G 1.5 , G 2 1.5 NPT ou 2 NPT
- Range de medição até 2500 mm
- Materiais: PVC, PP, PA 12, aço inox ou PVDF
- Sinal de saída em tensão ou corrente
- Até 4 sinais de saída digital programáveis
- Resolução de medição 10-35 mm (padrão 10 mm / 20 mm)
- Temperatura de trabalho -40 °C até +85 °C
- Sensor de temperatura opcional

Desenho técnico

IMAGE 1/6

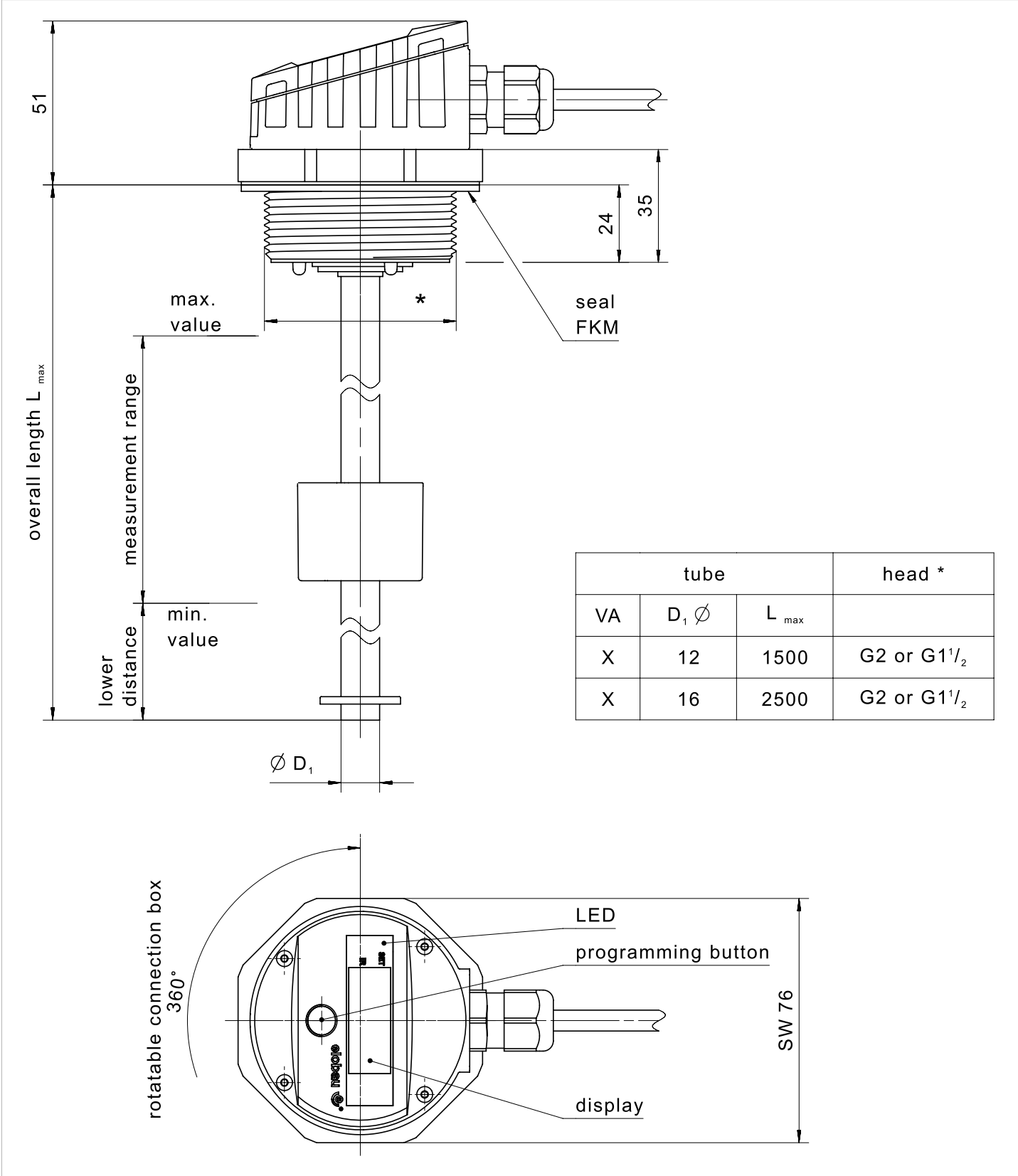


IMAGE 2/6

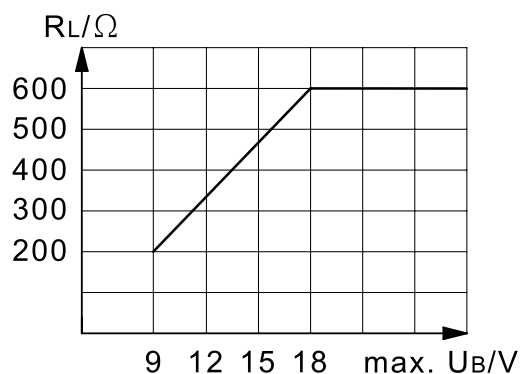
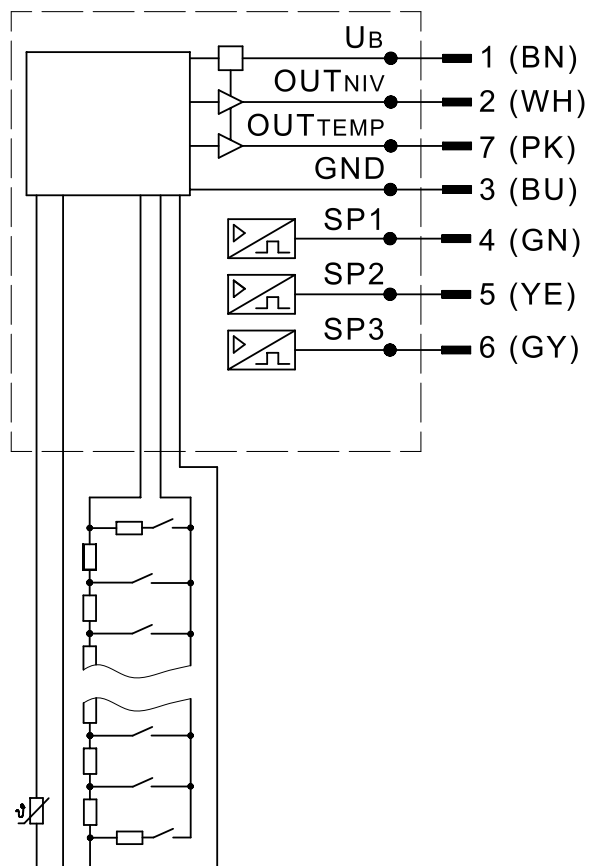


IMAGE 3/6

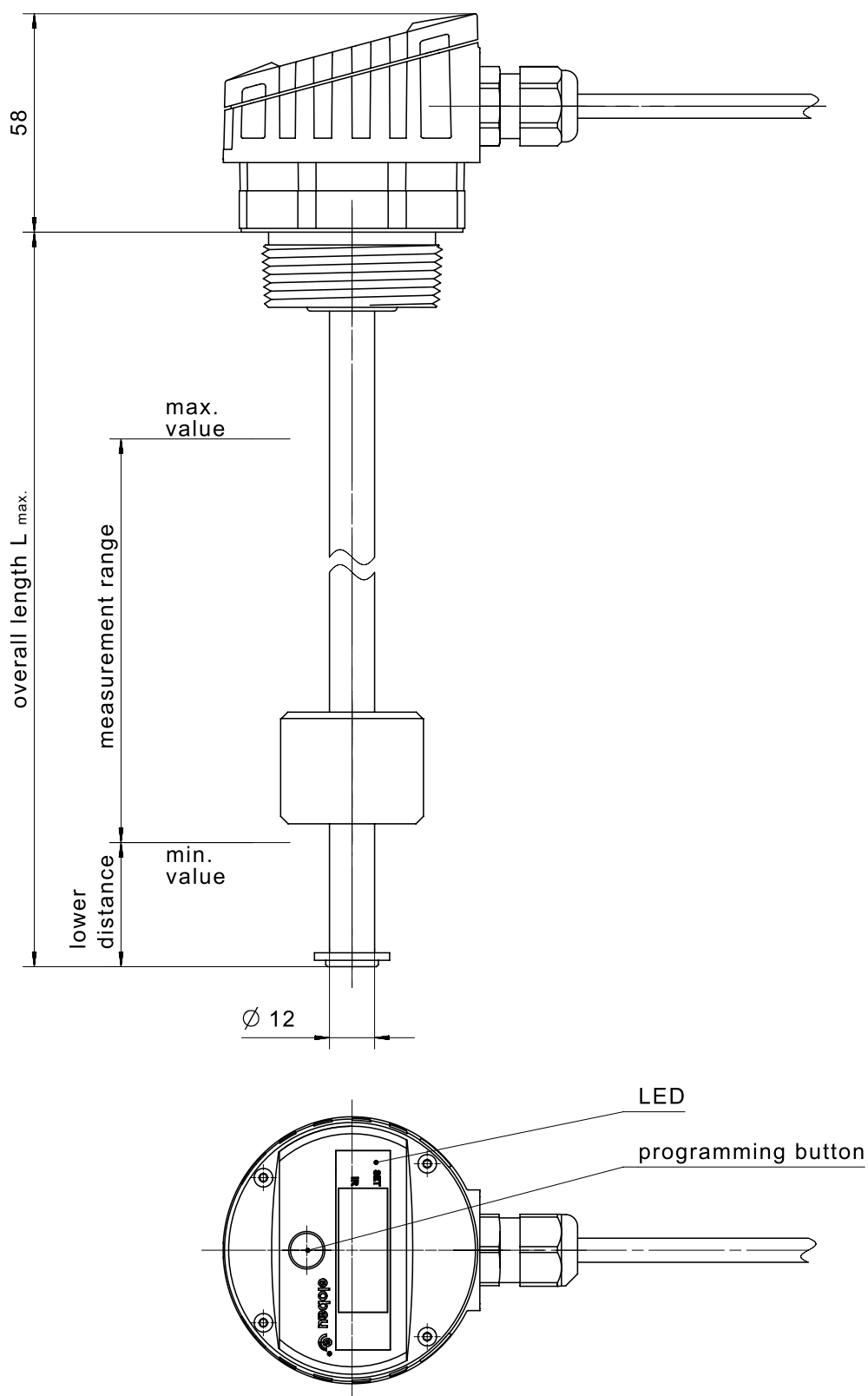
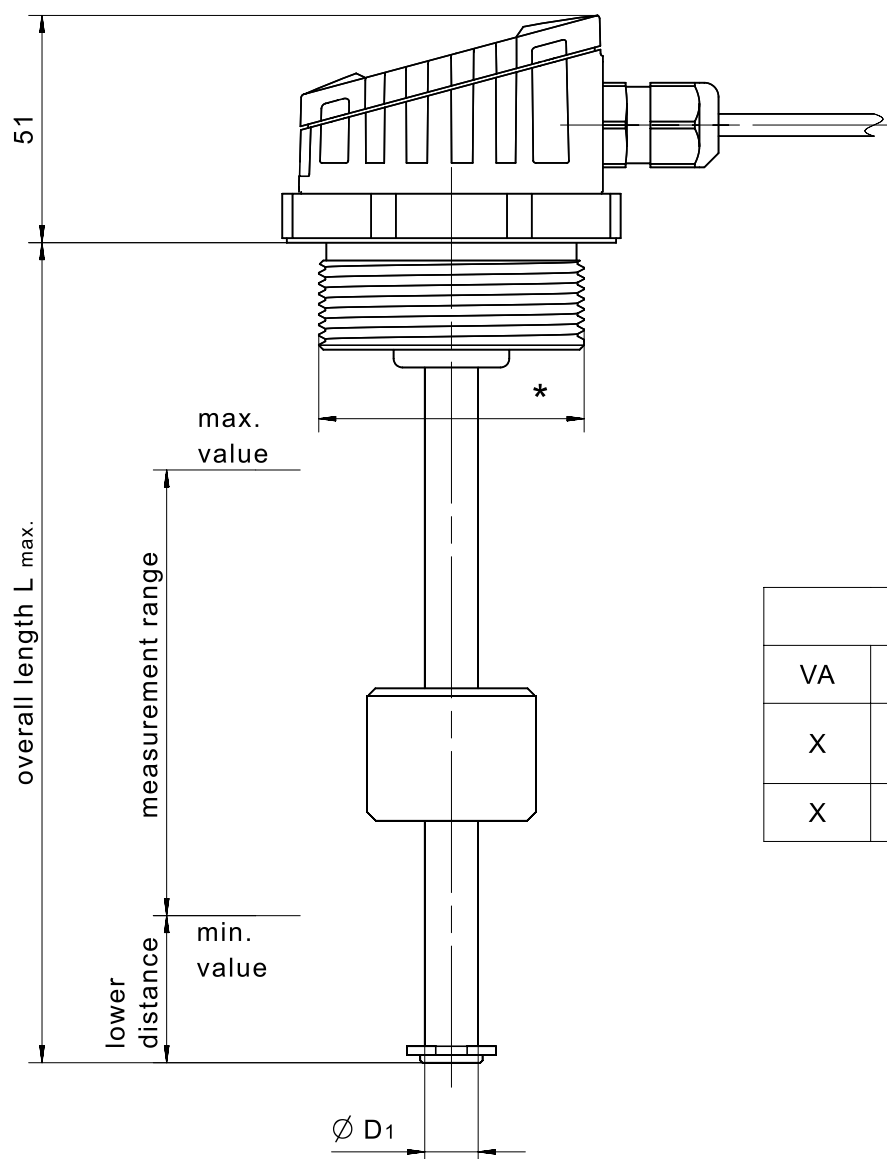


IMAGE 4/6



| tube | | | head * |
|------|-------------------|-------|--|
| VA | $\varnothing D_1$ | L max | |
| X | 12 | 1500 | G2 or G1 $\frac{1}{2}$ NPT2 or NPT1 $\frac{1}{2}$ |
| X | 16 | 2500 | G2 or NPT2 |

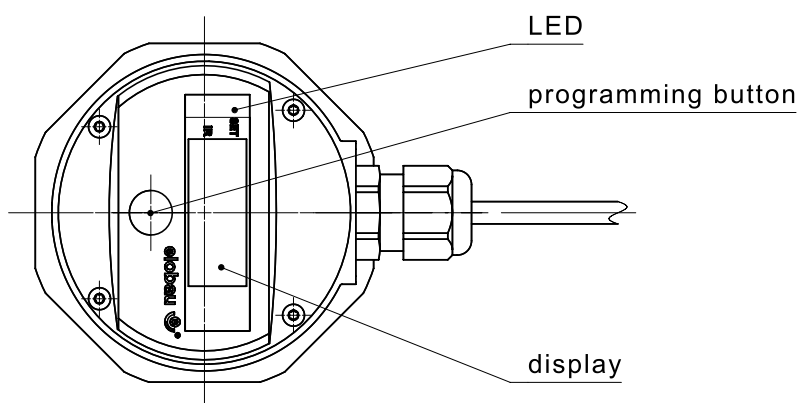
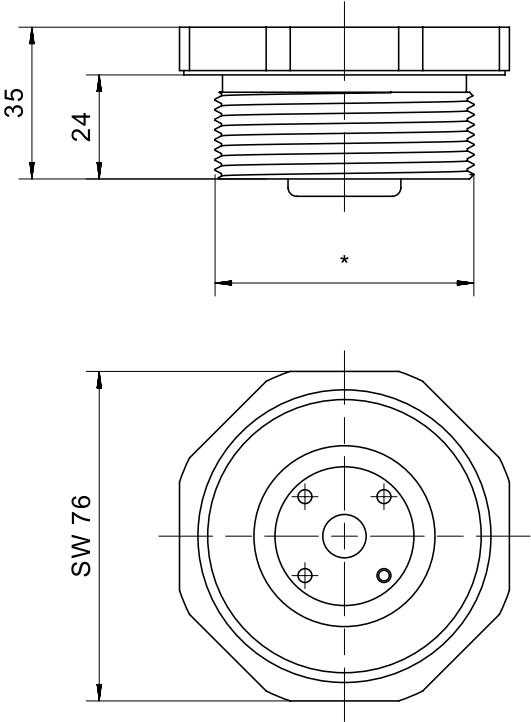
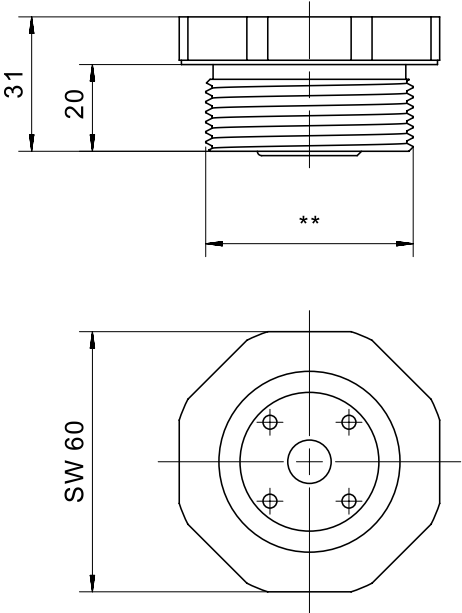


IMAGE 5/6



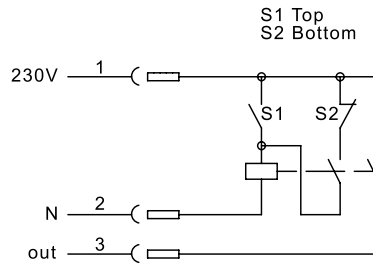
| for Ø 16 tube | for Ø 12 tube | head thread * | | material | | |
|------------------|------------------|---------------|------|----------|------|----|
| | | G2 | NPT2 | PVC | PVDF | PP |
| | x | | x | x | x | x |
| | x | x | | x | x | |
| x | | x | x | x | | |



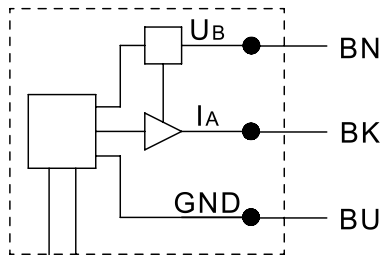
| for Ø 12 tube | head thread ** | | material | | |
|------------------|----------------|----------|----------|------|----|
| | G1 1/2 | NPT1 1/2 | PVC | PVDF | PP |
| x | x | | x | x | |
| x | | x | x | x | x |

IMAGE 6/6

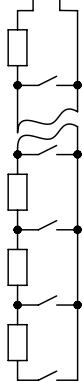
222313-001



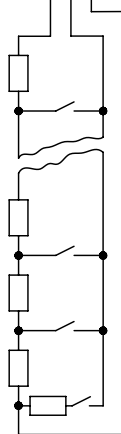
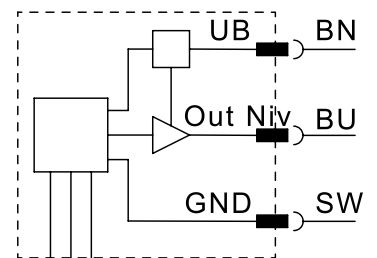
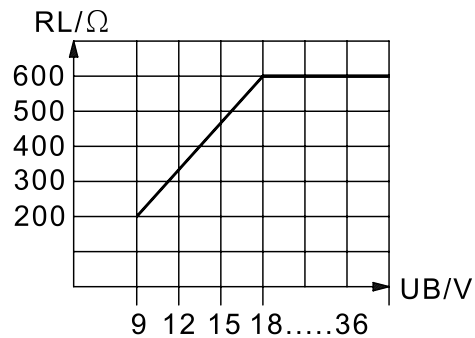
205322-003



225312-001



maximale Last am Stromausgang
maximum load on current output



Product options

IMAGE 1/1

ORDERING KEY

| Article number | Spacing | Thread | Riser length | Measuring length | Lower blind zone |
|---------------------|---------|---------|--------------|------------------|------------------|
| 212232-001/B | 10 | G 2 | 400 | 320 | 33 |
| 212232-002/B | 20 | G 2 | 600 | 500 | 43 |
| 212232-003/B | 20 | G 2 | 800 | 700 | 43 |
| 212232-004/B | 20 | G 2 | 1000 | 900 | 43 |
| 212232-005/B | 20 | G 2 | 1200 | 1100 | 43 |
| 215232-001/B | 10 | G 1 1/2 | 400 | 320 | 33 |
| 215232-002/B | 20 | G 1 1/2 | 600 | 500 | 43 |
| 215232-003/B | 20 | G 1 1/2 | 800 | 700 | 43 |
| 215232-004/B | 20 | G 1 1/2 | 1000 | 900 | 43 |
| 215232-005/B | 20 | G 1 1/2 | 1200 | 1100 | 43 |

Technical properties: riser material stainless steel 1.4571, housing material PA12, float material PA12, FKM seal, display, 3 configurable switching points, temperature contact, 3m pigtail outlet with 8-pin M12 connector, rotatable head, output signal 4...20mA

Características do artigo

| Attribute | 212232.... | 215232.... |
|---|------------------------|------------|
| Min. switching voltage | 9 V DC | |
| Max. switching voltage | 32 V DC | |
| Max. switching current | 0.5 A | |
| Polarity reversal protection | yes | |
| Switching output | low-side (open drain) | |
| Output signal min. | 4 mA | |
| Output signal max. | 20 mA | |
| EMC immunity (Norm) | DIN EN IEC 61000-6-2 | |
| EMC emission (Norm) | DIN EN 55011 | |
| Operating voltage min. | 9 V DC | |
| Operating voltage max. | 32 V DC | |
| Current consumption | 68 mA | |
| Linearity error | 2 % | |
| Technology | Reed | |
| Outputs | analog + digital | |
| Number of switching outputs | 3 | |
| Temperature output | yes | |
| Lower blind zone | siehe Bestellschlüssel | |
| Spacing | siehe Bestellschlüssel | |
| Application area | Industry | |
| Rotatable head | yes | |
| Recommended minimum density of the medium | 0.65 g/cm ³ | |
| Float diameter | 39 mm | |
| Housing material | PA12 | |
| Float material | PA12 | |
| Riser material | VA 1.4571 | |
| Cable material | PVC | |
| Sealing material | FKM (Viton) | |
| Protection class, mechanical | IP67 DIN EN 60529 | |
| Operating temperature min. | -20 °C | |
| Max. operating temperature | 70 °C | |
| Min. storage temperature | -30 °C | |

| Attribute | 212232.... | 215232.... |
|----------------------------------|------------------------------------|------------|
| Max. storage temperature | 80 °C | |
| Vibration resistance (Norm) | DIN EN 60068-2-6 DIN EN 60068-2-64 | |
| Pressure resistance | 3 bar | |
| ESD insulation resistance (Norm) | DIN EN 61000-4-2 | |
| Mounting type | Thread | |
| Thread | G 2 | G 1 1/2 |
| Riser diameter | 12 mm | |
| Installation opening | G 2 | G 1 1/2 |
| Torque | 40 N m | |
| Connector type | M12 | |
| Cable length | 3 m | |